



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hajime Kimura Art Unit : 1772  
Serial No. : 10/787,347 Examiner : Unknown  
Filed : February 27, 2004 Confirmation No.: 2831  
Title : SEMICONDUCTOR DEVICE AND DRIVING METHOD THEREOF

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SECOND REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Please correct the names on the Filing Receipt under Power of Attorney to read as follows:

|   |                                     |
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| John F. Hayden, Reg. No. 37,640         | Joseph F. Key, Reg. No. 44,827      |
| W. Karl Renner, Reg. No. 41,265         | Gregory A. Walters, Reg. No. 41,366 |
| William G. Hughes, Jr., Reg. No. 46,112 | Robert G. Devoto, Reg. No. 55,108   |
| Brian J. Dorini, Reg. No. 43,594        | Kevin E. Greene, Reg. No. 46,031    |
| Barbara A. Benoit, Reg. No. 54,777      | Diana DiBerardino, Reg. No. 45,653  |

Please supply a corrected Filing Receipt to the undersigned with respect to this application. A copy of the original Filing Receipt showing the desired changes in red ink is attached for your convenience.

No fee is believed to be due. If, however, there are any charges or credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 12/2/04

  
John F. Hayden  
Reg. No. 37,640

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| APPL NO.   | FILING OR 371<br>(c) DATE | ART UNIT | FIL FEE REC'D | ATTY.DOCKET NO        | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|----------|---------------|-----------------------|----------|----------|----------|
| 10/787,347 | 02/27/2004                | 2816     | 2172          | 12732-212001 / US7008 | 79       | 50       | 10       |

CONFIRMATION NO. 2831  
CORRECTED FILING RECEIPT



\*OC000000014275981\*

26171  
FISH & RICHARDSON P.C.  
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WASHINGTON, DC 20005-3500

Date Mailed: 11/03/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Hajime Kimura, Atsugi, JAPAN;

Power of Attorney:

John Hayden-37640  
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Gregory Walters-41366  
Joseph Key-44827  
Diana DiBerardino-45653

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Barbara A. Benoit, Reg. No. 54,777  
Robert G. DeVoto, Reg. No. 55,108

Domestic Priority data as claimed by applicant

Foreign Applications

JAPAN 2003-055018 02/28/2003

If Required, Foreign Filing License Granted: 05/15/2004

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US10/787,347

Projected Publication Date: 01/13/2005

Non-Publication Request: No

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**Early Publication Request: No**

**Title**

Semiconductor device and driving method thereof

**Preliminary Class**

327

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

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## Declaration and Power of Attorney For Patent Application

### 特許出願宣言書及び委任状

#### Japanese Language Declaration

#### 日本語宣言書

下記の氏名の発明者として、私は以下の通り宣言します。 As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。 My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者(下記の氏名が一つの場合)もしくは最初かつ共同発明者であると(下記の名称が複数の場合)信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

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SEMICONDUCTOR DEVICE AND DRIVING METHOD THEREOF

上記発明の明細書(下記の欄で×印がついていない場合は、本書に添付)は、 The specification of which is attached hereto unless the following box is checked:

月 日に提出され、米国出願番号または特許協定条約国際出願番号を \_\_\_\_\_ とし、(該当する場合) \_\_\_\_\_ に訂正されました。

was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されるとおり、特許資格の有無について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.



## Japanese Language Declaration (日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基づき下記の、米国以外の国の少なくとも一ヵ国を指定している特許協力条約365(a)項に基く国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

### Prior Foreign Application(s) 外国での先行出願

### Priority Not Claimed 優先権主張なし

|                                 |                            |  |                          |
|---------------------------------|----------------------------|--|--------------------------|
| 2003-055018<br>(Number)<br>(番号) | Japan<br>(Country)<br>(国名) | February 28, 2003<br>(Day/Month/Year Filed)<br>(出願年月日) | <input type="checkbox"/> |
| <br>(Number)<br>(番号)            | <br>(Country)<br>(国名)      | <br>(Day/Month/Year Filed)<br>(出願年月日)                  | <input type="checkbox"/> |
| <br>(Number)<br>(番号)            | <br>(Country)<br>(国名)      | <br>(Day/Month/Year Filed)<br>(出願年月日)                  | <input type="checkbox"/> |

私は、第35編米国法典119条(e)項に基いて下記の米国特許出願規定に記載された権利をここに主張いたします。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

| (Application No.)<br>(出願番号) | (Filing Date)<br>(出願日) | (Application No.)<br>(出願番号) | (Filing Date)<br>(出願日) |
|-----------------------------|------------------------|-----------------------------|------------------------|
|-----------------------------|------------------------|-----------------------------|------------------------|

私は、下記の米国法典第35編120条に基いて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基く権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間に入手された、連邦規制法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.



|                             |                        |   |
|-----------------------------|------------------------|---|
| (Application No.)<br>(出願番号) | (Filing Date)<br>(出願日) | (Status: Patented, Pending, Abandoned)<br>(現況: 特許許可済、継続中、放棄済) |
| (Application No.)<br>(出願番号) | (Filing Date)<br>(出願日) | (Status: Patented, Pending, Abandoned)<br>(現況: 特許許可済、継続中、放棄済) |
| (Application No.)<br>(出願番号) | (Filing Date)<br>(出願日) | (Status: Patented, Pending, Abandoned)<br>(現況: 特許許可済、継続中、放棄済) |
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| (Application No.)<br>(出願番号) | (Filing Date)<br>(出願日) | (Status: Patented, Pending, Abandoned)<br>(現況: 特許許可済、継続中、放棄済) |

私は、私自身の知識に基いて本宣言書中で私が行う表明が真実であり、かつ私の入手した情報と私の信じるところに基く表明が全て真実であると信じていてこと、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第 18 編第 1001 条に基き、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行えば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のことく宣誓を致します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



## Japanese Language Declaration (日本語宣言書)

委任状：私は下記の発明者として、本出願に関する一切の手続きを米特許商標局に対して遂行する弁護士または代理人として、下記の者を指名いたします。（弁護士、または代理人の氏名及び登録番号を明記のこと）

John F. Hayden, Reg. No. 37,640; Scott C. Harris, Reg. No. 32,030; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; William E. Booth, Reg. No. 28,933; Ruffin B. Cordell, Reg. No. 33,487; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; John B. Pegram, Reg. No. 25,198; James E. Mrose, Reg. No. 33,264; Lauren A. Degnan, Reg. No. 40,584; Andrew F. Bodendorf, Reg. No. 39,537; Diana DiBerardino, Reg. No. 45,653;

ここに署名する者は、この申請に関して米国特許商標局においてなされるべき如何なる行動に関しても、ここに指名された米国弁護士または代理人が、米国弁護士または代理人とここに署名した者との間で直接の連絡を取ることなしに、  
\_\_\_\_\_からの指示を受け入れてそれに従う権限を与える。指示を出す人物に変更がある場合は、ここに指名された米国弁護士または代理人は、ここに署名した者からその旨通知を受ける。

書類送付先

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

W. Karl Renner, Reg. No. 41,265; Joseph F. Key, Reg. No. 44,827; Harold H. Fox, Reg. No. 41,498; Scott R. Boalick, Reg. No. 42,337; Joseph V. Colaianni, Jr., Reg. No. 39,948; Gregory A. Walters, Reg. No. 41,366; R. Whitney Winston, Reg. No. 44,432; Bing Ai, Reg. No. 43,312; N. Thane Bauz, Reg. No. 41,604; Gregory P. Einhorn, Reg. No. 38,440; Diane L. Gardner, Reg. No. 36,518; Kenyon S. Jenckes, Reg. No. 41,873; Christopher S. Marchese, Reg. No. 37,177; Todd G. Miller, Reg. No. 42,003; and Shekhar Vyas, Reg. No. 46,166.

The undersigned hereby authorizes any U. S. attorney or agent named herein to accept and follow instructions from \_\_\_\_\_ as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U. S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U. S. attorneys or agents named herein will be so notified by the undersigned.

Send Correspondence to:

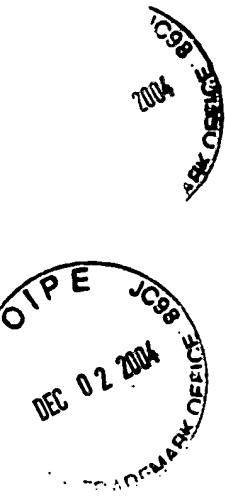
John F. Hayden

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John F. Hayden  
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|             |    |  |      |
|-------------|----|--|------|
| 唯一または第一発明者名 |    | Full name of sole or first inventor                |      |
|             |    | Hajime Kimura                                      |      |
| 発明者の署名      | 日付 | Inventor's signature                               | Date |
|             |    | Hajime Kimura                                      |      |
| 住所          |    | Residence  |      |
|             |    | Atsugi, Kanagawa, Japan                            |      |
| 国籍          |    | Citizenship  |      |
|             |    | Japanese   |      |
| 私書箱         |    | Post Office Address                                |      |
|             |    | c/o Semiconductor Energy Laboratory Co., Ltd.      |      |
|             |    | 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan |      |

|            |    |  |      |
|------------|----|--|------|
| 第二共同発明者名   |    | Full name of second joint inventor, if any |      |
|            |    |  |      |
| 第二共同発明者の署名 | 日付 | Second inventor's signature                | Date |
|            |    |  |      |
| 住所         |    | Residence                                  |      |
|            |    |  |      |
| 国籍         |    | Citizenship                                |      |
|            |    |  |      |
| 私書箱        |    | Post Office Address                        |      |
|            |    |  |      |

|            |    |   |      |
|------------|----|---|------|
| 第三共同発明者名   |    | Full name of third joint inventor, if any |      |
|            |    |   |      |
| 第三共同発明者の署名 | 日付 | Third inventor's signature                | Date |
|            |    |   |      |
| 住所         |    | Residence                                 |      |
|            |    |   |      |
| 国籍         |    | Citizenship                               |      |
|            |    |   |      |
| 私書箱        |    | Post Office Address                       |      |
|            |    |   |      |



卷之三

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hajime Kimura Art Unit : 1 772  
Serial No. : 10/787,347 Examiner : Unknown  
Filed : February 27, 2004 Confirmation No.: 2831  
Title : SEMICONDUCTOR DEVICE AND DRIVING METHOD THEREOF

Commissioner for Patents  
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Alexandria, VA 22313-1450

**COMBINED STATEMENT RE POWER OF ATTORNEY AND ASSOCIATE POWER**

Under 37 CFR 1.32(c)(3), please associate and recognize, as my associates, the following Patent Practitioners as Attorney/Agents of record in the above-identified application with full power.

John F. Hayden, Reg. No. 37,640  
W. Karl Renner, Reg. No. 41,265  
William G. Hughes, Jr., Reg. No. 46,112  
Brian J. Dorini, Reg. No. 43,594  
Barbara A. Benoit, Reg. No. 54,777

Joseph F. Key, Reg. No. 44,827  
Gregory A. Walters, Reg. No. 41,366  
Robert G. Devoto, Reg. No. 55,108  
Kevin E. Greene, Reg. No. 46,031  
Diana DiBerardino, Reg. No. 45,653

A copy of the signed Power of Attorney, as filed in the parent application, for the above-identified application is attached.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 13/2/04

  
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